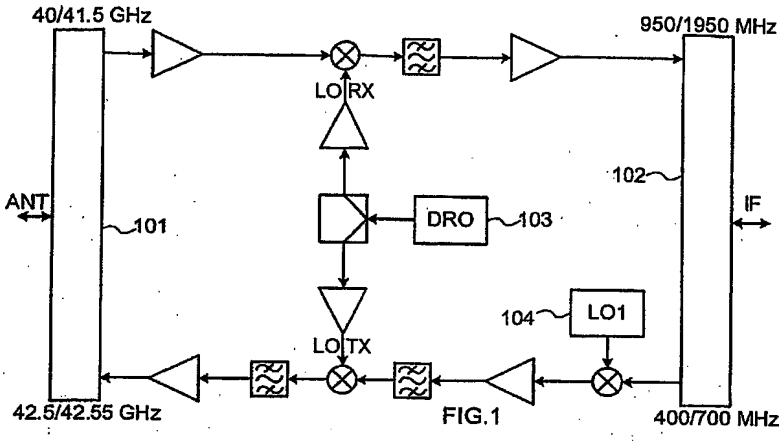


FIG.1

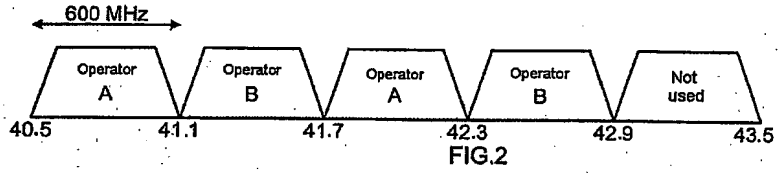


FIG.2

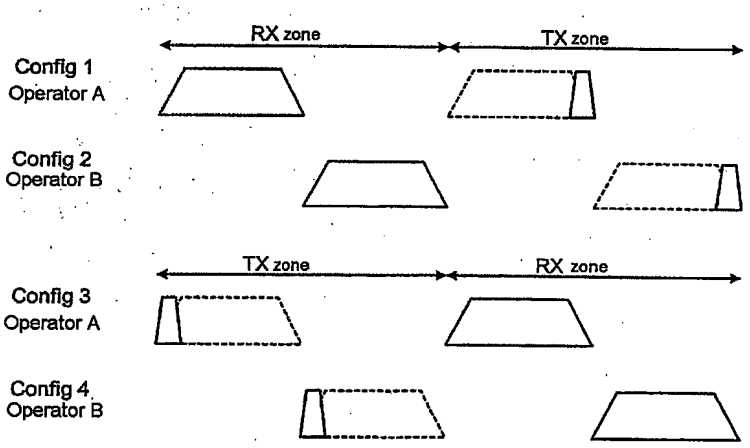


FIG.3

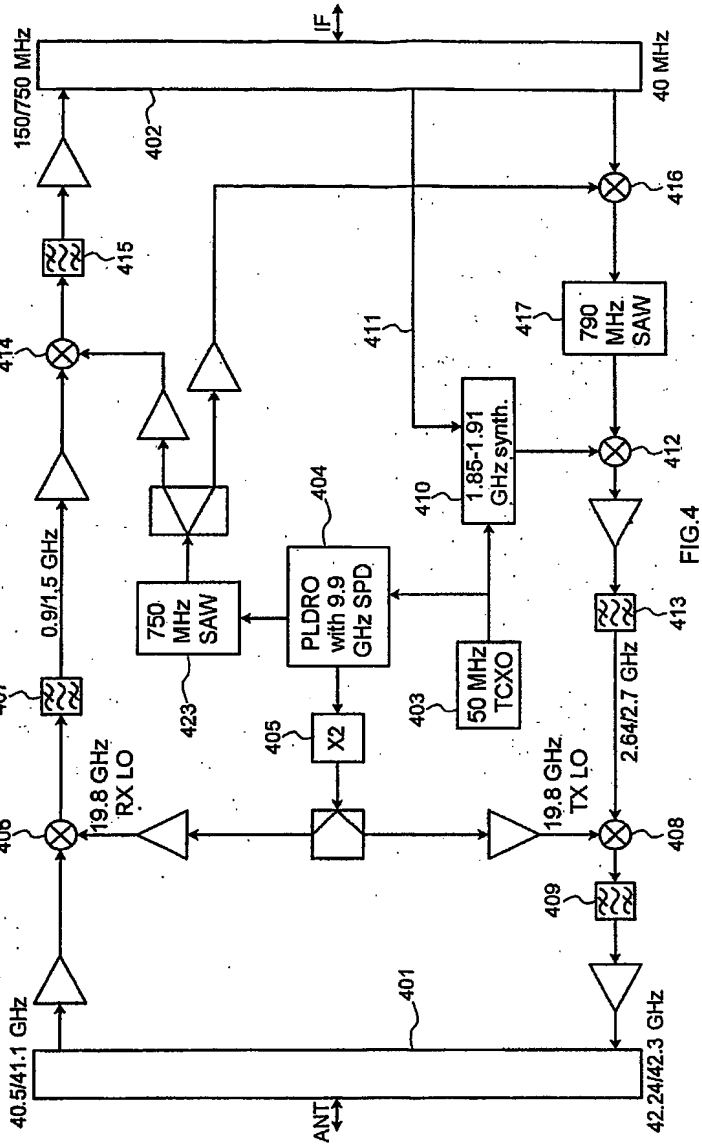
IF
150/750 MHz
40 MHz
402
416
415
417
790 MHz SAW
411
414
1.85-1.91 GHz synth.
412
410
404
PLDRO with 9.9 GHz SPD
750 MHz SAW
0.9/1.5 GHz
413
407
423
405
X2
403
50 MHz TCXO
2.64/2.7 GHz
19.8 GHz RX LO
19.8 GHz TX LO
406
408
409
401
40.5/41.1 GHz
42.24/42.3 GHz
ANT

FIG.4

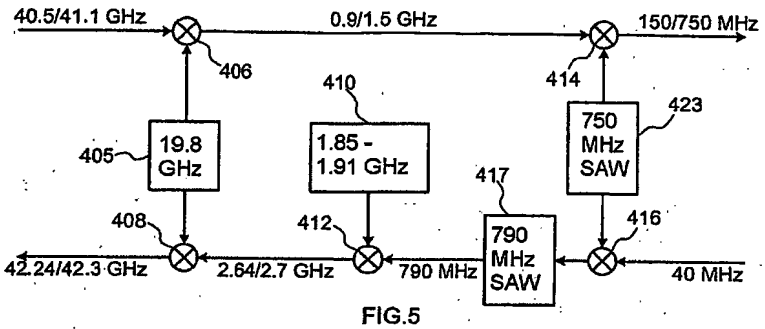
40.5/41.1 GHz
0.9/1.5 GHz
150/750 MHz
406
410
414
423
405
19.8 GHz
1.85 - 1.91 GHz
750 MHz SAW
417
408
412
416
790 MHz SAW
42.24/42.3 GHz
2.64/2.7 GHz
790 MHz
40 MHz

FIG.5

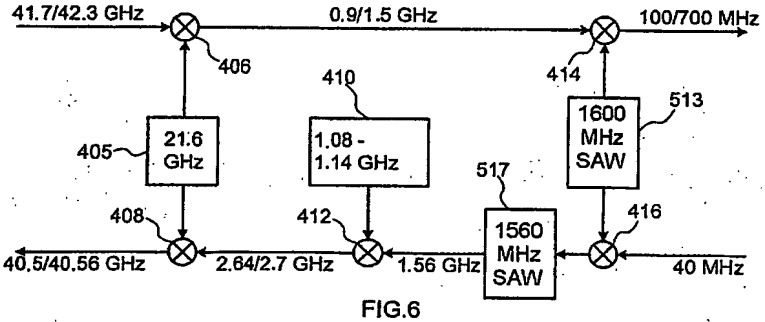
41.7/42.3 GHz
0.9/1.5 GHz
100/700 MHz
406
410
414
513
405
21.6 GHz
1.08 - 1.14 GHz
1600 MHz SAW
517
408
412
416
1560 MHz SAW
40.5/40.56 GHz
2.64/2.7 GHz
1.56 GHz
40 MHz

FIG.6

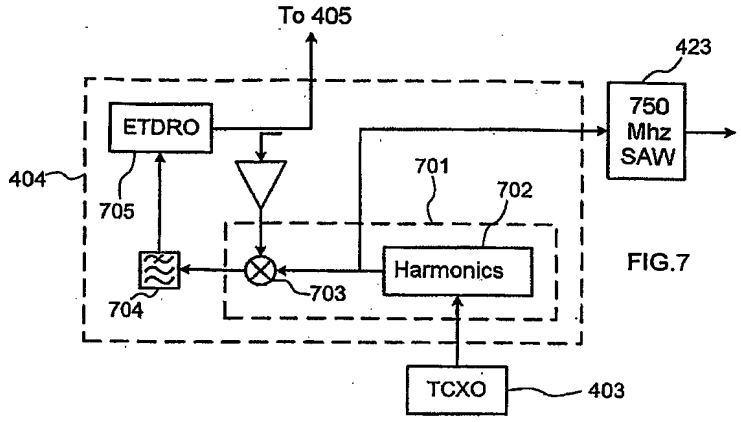
To 405
423
750
Mhz
SAW
ETDRO
404
705
701
702
Harmonics
703
704
TCXO
403

FIG.7

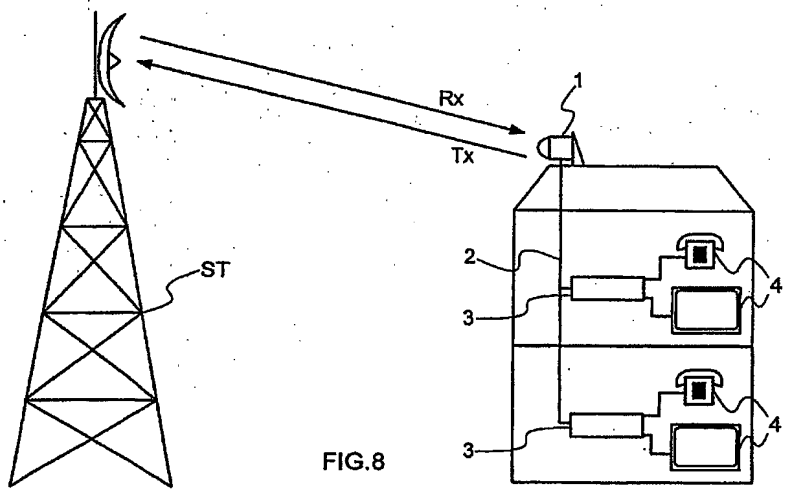
Rx
Tx
1
ST
2
3
4
3
4

FIG.8